



MEMORANDUM

Missouri Department of Transportation Bridge Division

TO: Eric Schroeter -de
State Design Engineer

FROM: Stacy McMillan -br *SM*

DATE: November 25, 2015

SUBJECT: J6I3034D
Bridge No. A8241 & A8242
St. Louis County, I-44
Public Interest Finding

This letter requests the use of proprietary expansion devices on the subject bridges. The geometrics, 60 degree skew, expansion length and curvature, limit the commercially available strip seal expansion devices meeting the require performance to one, the D.S. Brown L2-500. Strip seal devices are less expensive and have proved to be more durable, easier to maintain and provide a more water resistant joint than flat plate devices, traditionally installed in this situation.

We request approval to use this proprietary system.

I approve
Eric Schroeter